

AMENDED ABSTRACT

~~An apparatus~~ Apparatus for carrying out mass transfer processes with high-viscosity liquids ~~is described, particularly for boiling down and/or devolatilizing polymer melts,~~ comprising ~~at least~~ a vertically arranged vessel (1) having a feeder means (4) for the liquid to be treated, an outlet (7) for volatile components and an outlet (6) for the treated liquid, the feeder means (4) being equipped with a distributor element (3) having a multiplicity of orifices (8, 10) for subdividing the high-viscosity liquid to be treated into a multiplicity of individual streams, ~~characterized in that~~ wherein essentially vertically arranged wire loops (2) are disposed in the vicinity of the orifices (8, 10), along which wire loops the high-viscosity liquid runs off under the action of gravity.